## ISSUE SLIP STAPLE AREA (for additional cross references)

| POSITION                  | INITIALS            | ID NO. | DATE        |
|---------------------------|---------------------|--------|-------------|
| FEE DETERMINATION         |                     |        |             |
| O.I.P.E. CLASSIFIER       |                     | 2/3    | 12/5/00     |
| FORMALITY REVIEW          | T/                  | 27753  | 1/21/11     |
| RESPONSE FORMALITY REVIEW | <i>\( \sigma \)</i> | 7, 70  | <del></del> |

## **INDEX OF CLAIMS**

| ~ | Rejected                   | N | Non-elected  |
|---|----------------------------|---|--------------|
| = | Allowed                    | 1 | Interference |
| _ | (Through numeral) Canceled | Α | Appeal       |
| ÷ | Restricted                 | 0 | Objected     |

| 1 | ,         |            |          |          |          |          | ÷            |                |              |                                     |  |              |                  | . Re     | stric         | ted      |          |          |          | 0            |          |           |          |   |
|---|-----------|------------|----------|----------|----------|----------|--------------|----------------|--------------|-------------------------------------|--|--------------|------------------|----------|---------------|----------|----------|----------|----------|--------------|----------|-----------|----------|---|
|   | Cla       | aim        |          |          |          |          | Da           | ite            |              |                                     |  |              | 7 6              | laim     |               |          |          |          | Da       | ate          |          |           |          | _ |
| , | Final     | Original   | 3        |          |          |          | -            |                |              |                                     |  |              | 7 [              | Original |               |          |          |          |          |              |          |           |          |   |
|   | $\vdash$  |            | ٥        | 1        | ╁        | †        | † •          | $\top$         | 1            | T                                   | T  | ✝            | 1                | 5        | 1             | ✝        | 1        | 1        | T        | T            | T        | †         | T        | t |
|   | $\vdash$  | 2          |          | 1        | T        | †        | 1            | $\top$         | T            | T                                   | $\dagger$  | T            | 1                | 52       |               | $\vdash$ | T        | T        | $\top$   | ✝            | T        | $\dagger$ | T        | t |
|   | $\vdash$  | 3          | ††       | T        | t        | T        | ✝            | ✝              | ✝            | T                                   | T  | 1            | 1                | 53       | 3             | 1        | †        | ✝        | 1        | ╁            | $\top$   | $\top$    | †        | t |
|   | ┢         | 4          |          | $\vdash$ | t        | +        | +            | ╁╌             | +-           | ╫                                   | +  | +            | 1 Ի              | 5        |               | ╁╴       | 十        | +        | +-       | ┿            | ┿        | +-        | 十        | t |
|   | Н         | <b>(</b> 5 | 3        | 1        | T        | †        | †            | $^{+}$         | T            |                                     | T  | T            | 1                | 5        |               | 1        | t        | T        | $\top$   | T            | T        | T         | †        | t |
|   | _         | 6          | 1        | $\vdash$ | ✝        | T        | †            | ${}^{\dagger}$ | ┪            | $\vdash$                            | T  | t            | 1                | 56       | +             | 1        | 1-       | t        | T        | †-           | Т        | †         | T        | t |
| ٠ |           | 7          | O        | T        | 1        | T        | †            | 十              | T            | T                                   | t  | t            | 1                | 57       |               | T        | 1-       | Т        | T        | T            | T        | $\dagger$ | †-       | t |
|   | _         | 8          | _        | 1        | T        | 1        | 1            | T              | T            | T                                   | T  | T            | 1                | 58       |               | T        | 1        | T        | T        | 1            | †        | †         | T        | t |
|   |           | 9          |          | Т        |          | †        |              | $\vdash$       |              | 1                                   |  |              | 1 F              | 59       | _             | $\vdash$ | $\vdash$ | t        | T        | T            | t        | $\top$    | t        | t |
|   | Н         | 10         | ┪        | ┢        | $\top$   | t        | T            | $\top$         | T            | ╁                                   | ✝  | ╁            | 1                | 60       | _             | T        | T        | T        | $\top$   | †            | †        | +-        | t        | t |
|   |           | 11         |          | T        | 1        |          | †            | $\vdash$       | t            | 1                                   | $\vdash$   | t            | 1                | 6        |               | +-       | +-       | t        | +        | †            | t        | ╁         | †-       | t |
|   | _         | 12         |          | 1        | 1        | +        | 1            | $\vdash$       | t            | t                                   | H  | $\vdash$     | 1                | 62       | :             | 1        | $\vdash$ | +        | t        | +            | T        | 十         | ┿        | t |
| ĺ | -         | 13         | _        | Г        | T        | t        | $\vdash$     | T              | 1            | t                                   | T  | ╈            | 1                | 63       |               | ┪        | 1        | t        | ╈        | $\vdash$     | ╁        | +         | +        | t |
| i |           | 14         | -        | Г        | +        | t        | 1            | t              | t            | ┢╌                                  | ├-   | ╆            | 1                | 64       |               | 1        | ╁╌       | ╁        | ┼─       | ╁            | H        | ✝         | +        | t |
| I |           | 15         | -        | ┢        | $\vdash$ | t        | +            | +-             | †-           | ╁╴                                  | +-   | ╈            | 1 Ի              | 65       | -             | +-       | t        | ╁        | ╁        | ╁            | ┢        | ╁┈        | 十        | t |
|   |           | 16         | -        | t        | $\vdash$ | t        | <del> </del> | +-             | ╁            | ╁                                   | ╁  | $\vdash$     | 1 Ի              | 66       | _             | ╁        | +        | ╁        | ╁╴       | +            | $\vdash$ | t         | ┿        | t |
|   |           | 17         | -        |          | ╁        | ╁        | +            | ${\dagger}$    | 1-           | ╁                                   | +-   | +            | 1  -             | 67       | $\overline{}$ | ╁╴       | ╁        | ╁        | $\vdash$ | $\vdash$     | $\vdash$ | ╁         | ╁╌       | t |
|   |           | 18         | $\vdash$ | t        | ╁        | ╁        | $\vdash$     | +              | $\vdash$     | 1                                   | $\vdash$   | +-           | ┨                | 68       |               | 1        |          | -        | ╁╌       | $\vdash$     | ⊢        | ╁         | ╁╴       | t |
| Ì |           | 19         | $\vdash$ | H        | +-       | +-       | 1            | ╁              | 1            | ╁                                   | ╁╌   | ╀╌           | ┨                | 69       | +             | ╁        | ⊢        | ╁        | +        | ╁            | $\vdash$ | ╁         | +-       | t |
|   |           | 20         | -        | ╌        | 1        | ╁        | $\vdash$     | ╁              | +-           | ╁                                   | ╁  | ⊢            | ┨╶├              | 70       |               | ╁        | ╌        | ╁        | +        | ├            | ┼        | ┿         | ╁        | ł |
| l |           | -          | <u> </u> | <u> </u> | ├-       | ļ        | ╀            | ┼              | <del> </del> | ⊢                                   | ⊢  | ⊢            | <del>↓</del> ⊢   | _        | -             | ▙        | ┞-       | ╄        | ↓_       | ╀            | ⊢        | $\perp$   | ╀-       | 1 |
| l |           | 21         | <u> </u> | ├-       | -        | ⊢        | ├-           | ╀              | ├            | -                                   | -  | ┞            | ↓ ⊢              | 71       | _             | ┞-       | ⊢        | ╄        | ╀        | ╄            | ├        | ╀-        | ╄        | ļ |
|   |           | 22         | _        | <u> </u> | _        | ╀        | -            |                | ├-           | ┝                                   | L  | 1            | <del> </del>     | 72       |               | ļ        | _        | <u> </u> | ╄        | ╄            | <u> </u> | ╄         | _        | ļ |
| I |           | 23         |          | <u> </u> | ├        | 1        | ⊢            | <u> </u>       | Ļ.,          | ļ                                   | ┡  | ļ.,          | <b>-</b>         | 73       |               | _        | _        | <u> </u> | ╄-       | ↓_           | L        | ╄         | ↓_       | ļ |
| I |           | 24         |          | <u> </u> | 1        | 1        | <u> </u>     | ├              | ļ            | ļ                                   | <u> </u>   | L            | ↓                | 74       |               | ┡        | <u> </u> | <u> </u> | <u> </u> | 1_           | L        | ╄         | <u> </u> | ļ |
| l |           | 25         |          | <u> </u> | <u> </u> | _        |              | <u> </u>       | <u> </u>     | <u> </u>                            | L  | _            | ↓                | 75       | _             | <u> </u> | <u> </u> | ╙        | ـــــ    | _            |          | ↓_        | L        | ļ |
| Ì |           | 26         |          | _        | ┞-       | <u> </u> | _            | <u> </u>       | <u> </u>     | _                                   | L.   | <u> </u>     | ⇃ᆞ닎              | 76       |               | L        | <u> </u> | <b>⊢</b> | ــــ     | ļ.,          | <u></u>  | 上         | <u> </u> | ļ |
| ļ |           | 27         |          |          | <u> </u> | ┞_       | <u> </u>     | <u> </u>       | <u> </u>     | <u> </u>                            | ļ  | Ļ            | ↓   <sub>-</sub> | 77       | _             | <u> </u> | <u> </u> | _        | _        | Ļ            | <u> </u> | ╙         | L        | ļ |
| I |           | 28         |          | _        | ļ        | ļ        | <u> </u>     | L              | <u> </u>     | 匚                                   | L  | <u> </u>     | J  ∟             | 78       | -             | _        | <u> </u> | _        | _        | L            | <u> </u> | L         | L        | ļ |
| ļ |           | 29         |          | <u> </u> |          | L        | 乚            |                | L            | <u> </u>                            | L  |              | 1 L              | 79       | -             | <u> </u> | <u> </u> |          |          |              |          | 丄         |          | L |
| ŀ |           | 30         |          | L.       |          |          | <u> </u>     | \$             | L_           | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | $ldsymbol{le}}}}}}}}$ | <u> </u>     | l L              | 80       | +             |          | L        | Ĺ.,      | <u> </u> |              |          | 上         | <u></u>  | l |
| l | _         | 31         |          | L.       |          | _        | <u> </u>     | <u> </u>       |              | <u> </u>                            | _  | L.           | ▎└               | 81       | -             | L        | L        | L        | <u> </u> | L            | <u> </u> | L         | <u></u>  | L |
| ŀ |           | 32         |          | L.       | 1        |          |              | _              | <u></u>      | _                                   |  |              | ļ L              | 82       | _             | 匚        |          | _        |          | L            | L        |           |          | L |
| ۱ | _         | 33         |          | _        | _        | _        |              | L              | <u> </u>     | _                                   | Ļ  |              | 1                | 83       |               | _        |          |          |          | L            | L        | ┖         |          | L |
|   | _         | 34         |          | _        | <u> </u> | <u> </u> | L.           | <u> </u>       |              |                                     | <u> </u>   | L            | ļ  _             | 84       |               | <u> </u> | <u> </u> |          |          | L            |          | L         |          | L |
| I |           | 35         |          |          | L        | L        |              | L.             |              |                                     | _  | <u> </u>     | <b>!</b>         | 85       |               | _        |          | ┖        |          | L            |          | L         |          | L |
| l | _         | 36         |          |          |          | <u> </u> | <u> </u>     |                |              |                                     |  | <u> </u>     | ▎                | 86       | _             | L.       |          | <u></u>  |          | <u> </u>     | <u> </u> | <u> </u>  |          | L |
| ŀ | _         | 37         |          | _        |          | <u> </u> | L            |                | <u> </u>     | L                                   | L  | L            | <u> </u>         | 87       | -             |          | _        | ᆫ        | L        |              |          | L         | <u> </u> | L |
| ŀ | _         | 38         | _        |          | L        | _        | ļ            | L              | _            |                                     | Ш  | _            | <b>!</b>         | 88       | _             | L        | _        |          |          | 匚            | L        | L         | L        | L |
|   | _         | 39         |          |          | <u>_</u> | Щ        |              | Ш              | _            | <u> </u>                            | Ш  | $oxed{oxed}$ | I ∟              | 89       | _             | <u> </u> |          | <u></u>  | _        | $oxed{oxed}$ |          | 乚         | L        | L |
| L | _         | 40         |          |          |          |          |              |                |              |                                     |  |              |                  | 90       | 1             |          | L        |          | L        |              |          |           |          |   |
|   |           | 41         |          | . :      | L_       |          |              |                |              |                                     | ١.,  |              |                  | 91       |               |          |          |          |          |              |          |           |          | Γ |
|   |           | 42         |          |          |          |          |              |                |              |                                     |  |              |                  | 92       |               |          |          |          |          |              |          |           | Г        | Γ |
|   | $\Box$    | 43         |          |          |          |          |              |                |              |                                     |  |              |                  | 93       |               |          |          |          |          |              |          | $\Box$    |          | Γ |
| ĺ |           | 44         |          |          | Π        |          |              |                |              |                                     |  |              |                  | 94       |               |          |          | Г        | П        |              |          |           |          | Γ |
|   |           | 45         |          |          |          |          |              | П              | П            |                                     | П  |              |                  | 95       |               |          |          | <u> </u> | <u> </u> | П            |          | П         | Г        | r |
|   |           | 46         |          |          |          | П        |              | П              |              |                                     | П  |              |                  | 96       |               |          |          |          | _        |              | Т        | П         | $\vdash$ | r |
|   | $\exists$ | 47         |          |          |          | П        |              |                |              |                                     |  |              |                  | 97       | П             |          |          |          | Г        | -            | Ι        | Н         | Н        | r |
|   | 7         | 48         | _        |          |          | П        | П            | П              | Н            |                                     |  |              |                  | 98       | $\Box$        |          | -        | _        | 1        |              | -        | Н         | Н        | r |
|   | 7         | 49         | $\dashv$ | T        |          | П        |              | П              | П            |                                     | Н  | _            |                  | 99       | П             |          |          |          |          |              | -        | Н         | Н        | Γ |
|   |           | 50         |          |          |          |          |              |                |              |                                     |  | _            |                  | 100      | П             |          |          |          |          | Н            |          | $\vdash$  | Н        | Γ |
| ľ |           |            |          |          |          |          |              |                |              | _                                   | _  | _            | _                |          |               |          | _        |          |          | _            |          | _         |          | _ |

|          | im            |          |          |                              |          | <u> </u>       |          |  |              |          |               | ٦        |
|----------|---------------|----------|----------|------------------------------|----------|----------------|----------|--|--------------|----------|---------------|----------|
| Ciè      | um            | _        | _        | т-                           | -        | Da             | T        | Т  | _            | _        | $\overline{}$ | $\dashv$ |
| Final    | Original      |          |          |                              |          |                |          |  |              |          |               |          |
| _        | 101           | -        | ┢        | +                            | ╁        | +              | $\vdash$ | ╁  | ╁            | +        | +             | ┨        |
|          | 102           | H        | $\vdash$ | +                            | $\vdash$ | +              | ╁╴       | +  | ╁            | ╁╴       | ╁╴            | 1        |
|          | 103           |          | ╁╌       | ╁                            | +        | H              | ╁╌       | +  | ╁            | t        | t             | 1        |
| _        | 104           |          | ┢        | t                            | ۲        | +-             | ╁╌       | t  | +            | ╁        | ╁             | ┪        |
|          | 105           |          |          |                              | T        | T              | t        | T  | ╁            | T        | T             | 1        |
|          | 106           | Т        |          |                              | T        | Т              |          | T  | ١.           | T        | T             | 1        |
|          | 107           |          | Г        | Τ                            |          | Τ              | T        | T  |              | T        | Т             | 1        |
|          | 108           |          |          |                              | L        | Т              | П        | Π  | Ī            | Τ        | Г             | ٦        |
|          | 109           |          |          | Г                            |          |                |          |  | Т            | Т        |               | ]        |
|          | 110           |          |          | L                            |          |                |          |  |              |          |               | ]        |
|          | 111           |          | L        | L                            | L        |                |          |  |              | L        |               |          |
|          | 112           |          | L        | L                            | ļ.,      | 乚              | _        | _  |              | L        | L             |          |
|          | 113           |          | L        | <u> </u>                     | <u> </u> | $\perp$        | L        | L  | $\perp$      | 1_       | L             | _        |
| _        | 114           |          | L        | L                            | L        | <u> </u>       | _        | <u> </u>   |              | L        | 1             | ļ        |
| _        | 115           |          | <u> </u> | ╀-                           | 1        | _              | <u> </u> | ├-   | $\vdash$     | $\perp$  | $\perp$       | 4        |
| _        | 116           |          | _        | ⊢                            | ┡        | ╄              | -        | ╄  | 1            | ╀        | -             | 4        |
| _        | 117<br>118    |          |          | ┼-                           | ├-       | ⊢              | _        | -  | ╁-           | ╀        | ╀             | ┨        |
|          | 119           |          | -        | ├                            | ⊢        | ⊢              | ├        | ╀  | ╁            | ╀        | ╁             | 4        |
| _        | $\overline{}$ |          | L        | ⊢                            | -        | ╀              | ⊢        | ⊢  | ╁            | ┼        | <del> </del>  | 4        |
| 4        | 120           |          | _        | -                            | L        | ┝              |          | <u> </u>   | ╀            | ╄        | ╀             | 4        |
|          | 121<br>122    |          | -        | -                            | ┝        | $\vdash$       | -        | ļ  | ـــ          | ╀        | ╀             | 4        |
| -        | 123           |          | -        | ┝-                           | ├        | $\vdash$       | ⊢        | ├-   | ╁            | ╀        | ⊢             | 4        |
| $\dashv$ | 124           | _        | -        | -                            | ⊢        | ⊢              | -        | ⊢  | ⊢            | ╁        | ╀             | 1        |
|          | 125           |          | ┝        | ├                            | $\vdash$ |                | ├        | ╁  | $\vdash$     | ╀        | -             | ┨        |
|          | 126           | _        | _        | ┢                            | -        | ╁╴             | -        | ┢  | -            | -        | ╁             | ┨        |
|          | 127           |          |          | ┢                            | $\vdash$ | <del>  -</del> | -        | $\vdash$   | $\vdash$     |          | -             | 1        |
|          | 128           |          |          | H                            | -        | t              | -        | $\vdash$   | $\vdash$     |          | H             | 1        |
|          | 129           | _        | _        | Г                            | ┪        |                | _        | <del>                                     </del> | t            | Т        | T             | 1        |
| ┪        | 130           |          | _        | 1                            |          |                | _        |  | t            | T        | T             | 1        |
| $\neg$   | 131           |          |          | Г                            |          |                |          |  | Г            |          |               | 1        |
|          | 132           |          |          |                              |          |                |          |  |              | Π        |               | 1        |
|          | 133           |          |          |                              |          |                |          |  |              |          |               | ]        |
|          | 134           |          |          | L                            | L        | $oxed{oxed}$   |          |  |              |          |               | ]        |
|          | 135           | _        | _        | _                            | L        |                |          | _  | $oxed{oxed}$ | L        | L             | 1        |
|          | 136           | _        |          | _                            | _        | _              |          |  | <u> </u>     |          | _             | 1        |
|          | 137           |          |          | $ldsymbol{ldsymbol{\sqcup}}$ | <u> </u> | _              | _        | <u> </u>   | <u> </u>     |          | L             | ļ        |
|          | 38            | $\dashv$ |          | _                            | _        | _              |          | <u> </u>   | _            | L        | <u> </u>      | ļ        |
|          | 39            | -        |          | -                            |          | _              |          | _  |              | <u> </u> | Ŀ             | ł        |
|          | 40            | -        |          | H                            | H        | H              |          | -  | <u> </u>     | $\vdash$ | <u> </u>      | 1        |
| -[       | 141           |          |          | Щ                            | _        | Н              | _        | _  | <u> </u>     | <u> </u> | $\vdash$      | 1        |
| 4        | 142           |          | _        | Н                            | -        | Н              | _        | _  | -            | -        | $\vdash$      | -        |
| _        | 144           | -        |          | щ                            |          | Щ              |          |  | <u> </u>     | H        | $\vdash$      | 1        |
|          | 45            | $\dashv$ | -        | -                            | -        | Н              |          |  | $\vdash$     |          | <u> </u>      | 1        |
| _        | 46            | $\dashv$ |          | $\dashv$                     | _        | $\vdash$       | $\dashv$ |  | <u> </u>     | <u> </u> | <u> </u>      | l        |
|          | 47            |          | -        |                              |          | Щ              | -        | _  | _            | Н        | <u> </u>      | ł        |
| 4        | 48            | +        | -        | $\dashv$                     | $\dashv$ | Н              | -        |  | _            | -        | -             | l        |
| ╣;       | 49            | +        |          | $\dashv$                     | -        | $\vdash$       | -        | -  | $\vdash$     | $\vdash$ | -             |          |
| ╁        | 50            | ┪        | $\dashv$ | +                            | $\dashv$ | $\dashv$       | $\dashv$ | -  |              | H        | -             |          |
| ٠.       | -7            | _        |          |                              |          |                |          |  |              | نـــــن  |               | ı        |

If more than 150 claims or 10 action Best Available Copy staple additional sheet here